

Have you seen what today's plasma can do?

Cutting metal gets easier every day. Today's plasma systems offer many advantages over older machines.



20 years ago

MAX100®



10 years ago

Powermax1650®



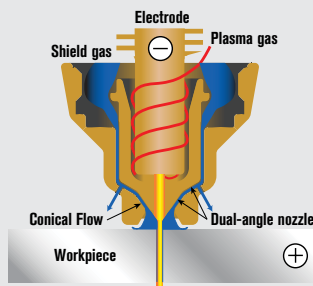
Today

Powermax105®

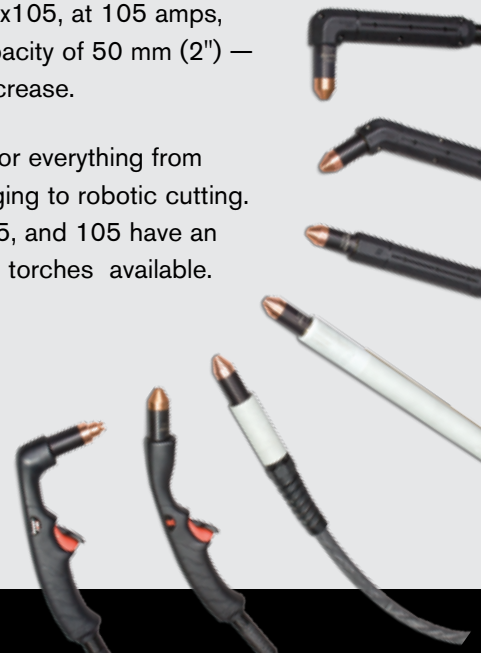
Amperage	100 A	100 A	105 A
Severance cut	32 mm (1.25")	44 mm (1.75")	50 mm (2")
Cut speed 12 mm (1/2")	889 mm/min (35 ipm)	2235 mm/min (88 ipm)	2580 mm/min (95 ipm)
Auto-voltage	No	Yes	Yes
Auto-gas	No	No	Yes
Start type	High-frequency	Contact	Contact
Removable torch	No	Yes	FastConnect™

Technology advancements

- No high-frequency — Powermax systems are contact-start systems that won't interfere with other shop equipment.
- Today's systems are smaller, lighter, more efficient and more powerful, with faster cut speeds than ever before.
- New consumable designs with Conical Flow™ and Spring Start™ technology last longer than ever before, increasing productivity over older designs. The new Powermax105 cuts 48 m (157') more metal per consumable set than the MAX100 did.
- New systems are easy to use with quick disconnect torch leads, automatic gas adjustment, and simple controls.



- Technology advances also bring capacity increases. Twenty years ago, the 100 amp MAX100 had a severance capacity of 32 mm (1-1/4"). Today, the Powermax105, at 105 amps, has a severance capacity of 50 mm (2") — a more than 55% increase.
- New torch designs for everything from hand cutting to gouging to robotic cutting. The Powermax65, 85, and 105 have an array of 7 Duramax™ torches available.



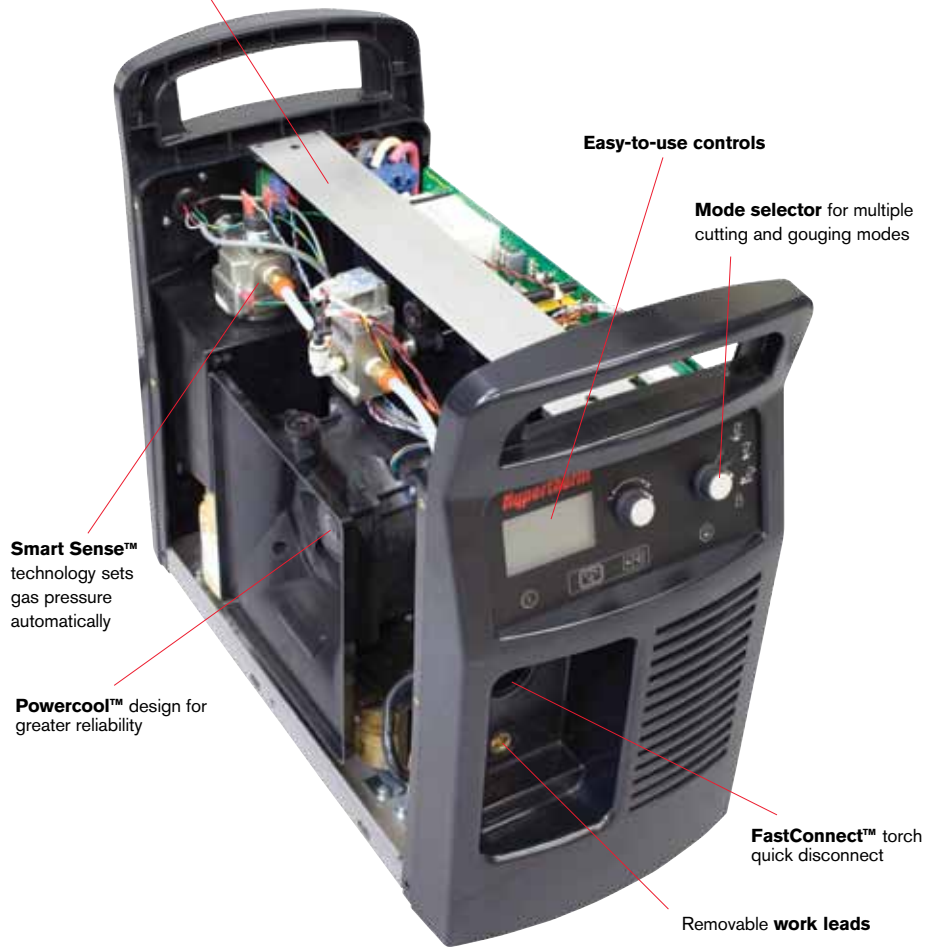
Which Powermax system is right for you?

	Powermax30	Powermax45	Powermax65	Powermax85	Powermax105
Recommended	1/4" (6 mm)	1/2" (12 mm)	3/4" (20 mm)	1" (25 mm)	1-1/4" (32 mm)
Severance	1/2" (12 mm)	1" (25 mm)	1-1/4" (32 mm)	1-1/2" (38 mm)	2" (50 mm)
Input voltage	CSA 120 – 230 V, 1-PH CE 120 – 230 V, 1-PH	CSA 200 – 240 V, 1-PH CE 230 V, 1-PH, 50-60 Hz CE 400 V, 3-PH, 50-60 Hz	CSA 200 – 480 V, 1-PH 200 – 600 V, 3-PH CE 400 V, 3-PH	CSA 200 – 480 V, 1-PH 200 – 600 V, 3-PH CE 400 V, 3 PH	CSA 200 – 600 V, 3-PH CE 230 – 400 V, 3-PH CE/CCC 400 V/380 V, 3-PH
Duty cycle	35 – 50%	50%	50%	60%	80%



Plasma cuts any electrically-conductive metal, even painted or rusty metal, up to 4 times faster than oxyfuel.

Clean side / dirty side design protects electronics



Easy-to-use controls

Mode selector for multiple cutting and gouging modes

Smart Sense™ technology sets gas pressure automatically

Powercool™ design for greater reliability

FastConnect™ torch quick disconnect

Removable work leads

Hypertherm®

Cut with confidence®

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860340



Engineered and assembled in the USA



Environmental stewardship is a core value of Hypertherm. Our Powermax products are engineered to meet and exceed global environmental regulations including the RoHS directive.